

What Is Claimed Is:

1. A lamp comprising
a light source having a pair of opposed leads,
a protective sleeve around the light source, and
a metal frame supporting said sleeve,

5 wherein the protective sleeve comprises neodymium.

2. A lamp as claimed in claim 1 which exhibits a color temperature of about 3000K and an improved color rendering index.

- 10 3. A lamp as claimed in claim 1 which exhibits a color temperature of about 3000K and an improved red transmission and a color rendering index of about 90 or above.

- 15 4. A lamp as claimed in claim 3, wherein the protective sleeve is a transparent, high-temperature material selected from quartz and Vycor doped with neodymium.

- 20 5. A lamp as claimed in claim 3, wherein the protective sleeve is a transparent, high-temperature material selected from quartz and Vycor on which a film of neodymium has been applied.

6. A lamp comprising
a light source formed by a metal halide arc tube,

a protective sleeve around the light source, and
a metal frame supporting said sleeve,
wherein the protective sleeve is composed of neodymium.

5 7. A lamp as in claim 6 which exhibits a color temperature
of about 3000K and an improved color rendering index of at least
about 90.

10 8. A lamp as in claim 6 which exhibits a color temperature of about
3000K and an improved red transmission and a color rendering index
of about 90 or above.

15 9. A lamp as claimed in claim 6, wherein:

the light source is a ceramic metal halide arc tube having a
pair of opposed leads surrounded by a protective sleeve of
neodymium; the tubular sleeve has an upper end, and oppositely
facing lower end, and an internal surface extending between the
ends; and the neodymium sleeve is supported by a frame member;
the lamp further comprising an insulating member fixed between
said frame members above said upper end of said sleeve, whereby
said light source, said frame members, said sleeve, and said
insulating member form a rigid self-supporting structure.

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